

**Complement Technology, Inc.**

4801 Troup Hwy, Suite 701  
Tyler, Texas 75703, USA

Product: **C5a**Catalog #: **A144 & A144(300)**

Revision date: 05/28/2015 Ver 2.0

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**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**Product name : **Human Complement C5a Protein**Product Number: **A144 & A144(300)**

Brand : CompTech

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**

Company : Complement Technology, Inc. , 4801 Troup Hwy, Tyler, TX 75703 USA

Telephone: 1-903-581-8284

Web: [www.ComplementTech.com](http://www.ComplementTech.com)**1.4 Emergency telephone number**

Emergency Phone : 1-903-581-8284

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**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture:** Not a hazardous substance or mixture.**2.2 GHS Label elements, including precautionary statements:** Not a hazardous substance or mixture.**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS –** Human source material.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Synonyms:** Complement C5a, Anaphylatoxin C5a**3.2 Mixtures/Hazardous components**

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to the applicable regulations.

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**4. FIRST AID MEASURES****4.1 Description of first aid measures****If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

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**5. FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information:** No data available.

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**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapours, mist or gas.

For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

Clean up and decontaminate all materials for disposal, as well as contaminated surfaces, with an effective decontamination method such as autoclaving, incineration, or chemical disinfection. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections** For disposal see section 13.

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**7. HANDLING AND STORAGE****7.1 Precautions for safe handling** For precautions see section 2.2.**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: -70 °C .

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

**Appropriate engineering controls:** General industrial hygiene practice.

**Personal protective equipment**

**Eye/face protection:** Use protective equipment for eyes.

**Skin protection:** Handle with gloves.

**Body Protection:** Wear impervious laboratory coat.

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**Respiratory protection:** Respiratory protection not required.

**Control of environmental exposure:** Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- a) Appearance Form: Aqueous solution
- b) Odour: no data available
- c) Odour Threshold: no data available
- d) pH: 7.2-7.4
- e) Melting point/freezing point: 0°C
- f) Initial boiling point and boiling range: 100°C
- g) Flash point: not applicable
- h) Evaporation rate: no data available
- i) Flammability (solid, gas): not applicable
- j) Upper/lower flammability or explosive limits: not applicable
- k) Vapour pressure: no data available
- l) Vapour density: no data available
- m) Relative density: no data available
- n) Water solubility: no data available
- o) Partition coefficient: n-octanol/water: no data available
- p) Auto-ignition temperature: no data available
- q) Decomposition temperature: no data available
- r) Viscosity: no data available
- s) Explosive properties: no explosion hazard
- t) Oxidizing properties: no data available

**9.2 Other safety information:** no data available

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## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** no data available

**10.2 Chemical stability:** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions:** no data available

**10.4 Conditions to avoid:** no data available

**10.5 Incompatible materials:** Strong oxidizing agents, Strong acids, Strong bases

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** no data available

**Inhalation:** no data available

**Dermal:** no data available

**Skin corrosion/irritation:** no data available

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**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

**Additional Information:** RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** no data available

**12.2 Persistence and degradability:** no data available

**12.3 Bioaccumulative potential:** no data available

**12.4 Mobility in soil:** no data available

**12.5 Results of PBT and vPvB assessment:**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects:** no data available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

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## 15. REGULATORY INFORMATION

**SARA 302 Components**

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No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA hazards.

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

HBS (HEPES Buffered Saline) CAS-No.: None

**New Jersey Right To Know Components**

HBS (HEPES Buffered Saline) CAS-No.: None

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**16. OTHER INFORMATION**

**HMIS Rating**

Health hazard: 0

Chronic Health Hazard:

Flammability: 0

Physical Hazard 0

**NFPA Rating**

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

The information given above is believed to be correct but is not necessarily all inclusive and should be used only as a guide. Complement Technology, Inc. shall not be held liable for any damage resulting from the handling or from contact with this product.